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Title: JP7272717A2: MANUFACTURE OF FLAT TYPE NONAQUEOUS ELECTROLYTE BATTERY

Derwent Title: Planar non-aq. electrolyte battery mfr. - by forming negative electrode part constituted by negative electrode terminal and lithium crimp ([Derwent Record](#))

Country: JP Japan
Kind: A (See also: [JP2780634B2](#))

Inventor: MIZUNO TOSHIO;
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NOZUE TOMOHISA;

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Published / Filed: 1995-10-20 / 1994-03-31

Application Number: JP1994000063556

IPC Code: [H01M 4/12](#); [H01M 6/16](#);

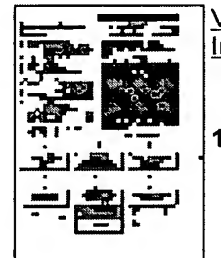
Priority Number: 1994-03-31 JP1994000063556

Abstract: PURPOSE: To provide a manufacturing method for a flat type nonaqueous electrolyte battery capable of enhancing reaction efficiency of lithium and obtaining stable discharge performance by efficiently, accurately pressing for fixing lithium in the form of nearly complete round to the whole surface of a negative terminal.

CONSTITUTION: In the manufacturing method for a flat type nonaqueous electrolyte battery fabricated by using a negative electrode 2 formed by pressing lithium 2b serving as a negative active material against a disk-like negative terminal 2a, a chip of lithium 2b obtained by cutting a rod is temporarily pressed near the center of the negative terminal 2a. The chip is temporarily molded by 1/2-1/4 of the chip thickness with a pressing jig K with a recessed surface to form an almost round projection, then the chip is pressed by 1/6 or less of the original thickness with a pressing jig G with flat surface to press against the negative terminal 2a to form the negative electrode 2. Before the lithium 2b is temporarily molded in the form of almost round projection, a die lubricant 6 stable to an electrolyte such as propylene carbonate (PC) and liquid paraffin is preferably applied to the surface of the lithium 2b coming in contact with the pressing jig K.

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PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6586912	2003-07-01	Tsukamoto; Hisashi	Quallion LLC	Method and apparatus for amplitude limiting battery temperature spikes
	US6001138	1999-12-14	Dix; Eric R.	Micron Communications, Inc.	Methods of forming battery electrodes

Other Abstract
Info:

CHEMABS 124(06)061599C CAN124(06)061599C DERABS C96-013923 DERC96-013923



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(30) Priority:

(43) Date of application
publication: **20.10.95**(84) Designated contracting
states:(71) Applicant: **FUJI ELELCTROCHEM CO L**(72) Inventor: **MIZUNO TOSHIO
IZUMI AKIHIDE
NISHIO MASATAKE
NOZUE TOMOHISA**

(74) Representative:

**(54) MANUFACTURE OF
FLAT TYPE NONAQUEOUS
ELECTROLYTE BATTERY**

(57) Abstract:

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